DEPARTMENT OF TOXIC SUBSTANCES COTNROL
WEEKLY PROJECT UPDATE
ZENECA/FORMER STAUFFER CHEMICAL SITE
Richmond, California
Activities for January 10 through 14, 2005

Site Activities

- Solidification of the excavated marsh sediments with lime in the East Stege Marsh was shut down on Saturday, January 8 at approximately 10:00 AM. On Tuesday, January 11 solidification activities were delayed until 9:00 AM and shut down at 12:00 PM due to wind conditions. The addition of lime to marsh sediments was halted completely on January 11, at which time CSV agreed to develop an improved lime-mixing process to solidify the marsh sediments before these activities continue at the Site.

  Since January 11, the excavated non-hazardous marsh sediments have been brought to the Upland stockpile area. It is anticipated that the revised lime-mixing process will begin on Monday, January 17. DTSC staff will be present to observe the effectiveness of the lime-mixing process.

- DTSC personnel were present at the site Monday through Friday. DTSC staff continues to observe the loading and decontamination of trucks off-hauling the marsh sediments from the Upland stockpile area and from the Upper Lagoon in the Habitat Restoration Area (wetlands area), and monitored site conditions (including air monitoring) in the Upland area. Off-hauling of marsh sediments occurred throughout the day on Monday and Tuesday, and on Wednesday morning this week.

- Approximately 3,600 tons of the non-hazardous marsh sediments stockpiled in the Upland area were sent to Keller Canyon Landfill and Altamont Landfill for proper disposal. This completes the removal of the non-hazardous marsh sediments that were transferred to the Upland stockpile area in December 2004.

- Approximately 600 tons of hazardous waste sediments excavated from the Upper Lagoon were sent to the Kettleman Hills hazardous waste landfill located in Kettleman City.

Correspondence

- On January 7, 2005, the Department of Toxic Substances Control (DTSC) sent an e-mail to Cherokee Simeon Venture (CSV) requiring that all solidification of marsh sediments with lime be suspended if wind speeds

exceed 15 miles per hour at the Site or if any dust/steam is visible for longer than 30 seconds.

Air Monitoring

Results of the range of real-time air monitoring for January 7-13 conducted by both CSV and DTSC are as follows:

- Hydrogen Sulfide Monitoring Results
  Action level – 0.03 parts per million (ppm)
  CSV Measurement: 0.0 to 14 ppm
  The 14 ppm reading was obtained near the freshwater lagoons at approximately 12:30 PM on January 7. Readings of 0.00 ppm were observed directly after the 14 ppm reading was taken so no action was necessary. Subsequent readings in the area that day were 0.001 ppm or less. Readings were all below the action level for the remainder of this week's reporting period.
  DTSC Measurement: 0.000 to 0.006 ppm

- Volatile Organic Compounds Monitoring Results
  Action Level – 1 ppm
  CSV Measurement: 0.0 to 1.8 ppm
  The 1.8 ppm reading was obtained near Air Monitoring Station #2 (along the western property boundary) at approximately 12:15 PM on January 7. A reading taken immediately after was 0.5 ppm. Subsequent readings at the site were all 0.2 to 0.0 ppm the remainder of the day so no action was necessary. Readings were all below the action level for the remainder of this week's reporting period.
  DTSC Measurement: 0.0 to 0.1 ppm

- Total Dust Monitoring Results
  0.5 milligrams per cubic meter ($mg/m^{3)}$ [5 minute average] = stop work
  CSV Measurement: 0.000 to 0.347 mg/m^3
  The 0.347 mg/m^3 reading was collected at approximately 9:00 AM on January 8. The reading immediately decreased to 0.015 mg/m^3 so no immediate action was required. Please note that solidification with lime was later halted at approximately 10:00 AM due to wind conditions.
  Note: CSV Measurements include both hourly readings taken from air monitoring stations and roaming locations.
  DTSC Measurement: 0.005 mg/mg^3 to 0.124 mg/m^3
  The 0.124 mg/m^3 reading occurred while marsh sediments were being loaded into a truck for off-haul. No action was necessary as truck loading was ending for the day.

Public Participation

- DTSC continues to telephone the affected community on a regular basis to explain work at the site and respond to telephone inquiries placed to DTSC.

- The community has begun to use the toll free number set up for the Zeneca Site. The number is 866-284-0721. DTSC Public Participation staff is responding to the telephone calls.

- The DTSC Zeneca/former Stauffer Chemical web site continues to be updated. The web site is http://www.dtsc.ca.gov/SiteCleanup/Zeneca/index.html . Weekly Project Updates, correspondence and other project documents are posted to the web site as they become available.